

sub B' control
desired wavelength among a plurality of target values respectively set for each of said plurality of wavelengths.

A1 end
2. (ONCE AMENDED) A device according to claim 1, wherein, laser light output from said light source has nearly constant wavelength spacing,

a length of a period of said etalon filter is substantially equal to a length of said wavelength spacing, and

each of said plurality of target values is set at a value between two adjacent extremums of said transmittance-wavelength characteristic.

A2
6. (ONCE AMENDED) A device according to claim 2, further comprising:
optical amplifying means for amplifying laser light to be output to an exterior.

8. (ONCE AMENDED) A device according to claim 2, wherein said plurality of lasers are semiconductor lasers, and

said controlling means controls said oscillation wavelength by controlling device temperature of said one laser.

A3
9. (ONCE AMENDED) A device according to claim 2, wherein said plurality of lasers are semiconductor lasers, and

said controlling means controls said oscillation wavelength by controlling driving current of said one laser.

10. (ONCE AMENDED) A device according to claim 2, wherein said plurality of lasers are semiconductor lasers, and

said controlling means controls device temperature of said one laser when generating oscillation of said one laser and controls driving current of said one laser when controlling said oscillation wavelength.

11. (ONCE AMENDED) A device according to claim 1, further comprising:
a plurality of etalon filters whose transmittance-wavelength characteristics are the same in period and temperature dependence; and

a plurality of light detecting means corresponding with the said plurality of etalon filters,

respectively, to receive laser light output from the filters.

12. (ONCE AMENDED) A device according to claim 11, wherein laser light output from said light source has nearly constant wavelength spacing, each of said spacing is divided into a plurality of wavelength ranges, and each of said wavelength ranges is respectively within ranges between two adjacent extremums of said transmittance-wavelength characteristics of said plurality of filters.

13. (ONCE AMENDED) A device according to claim 1, wherein said etalon filter has temperature dependence, which is said transmittance-wavelength characteristic, in accordance with temperature dependence of an oscillation wavelength of said plurality of lasers.

14. (ONCE AMENDED) A device comprising:
a laser capable of oscillating at a plurality of wavelengths;
an etalon filter for receiving laser light output from said laser, which transmittance-wavelength characteristic is temperature dependence in accordance with temperature dependence of an oscillation wavelength of said laser;
light detecting means for receiving laser light output from said etalon filter and detecting light intensity of the received laser light; and
controlling means for generating oscillation of said laser at one of said plurality of wavelengths, and controlling an oscillation wavelength of laser light output from said laser so that an output value of said light detecting means becomes equal to a target value that is set for each of said plurality of wavelengths.

Please ADD the following NEW claims:

15. (NEW) An apparatus, comprising:
a light source having a plurality of lasers capable of oscillating at a plurality of wavelengths;
an etalon filter having a periodic transmittance-wavelength characteristic to receive laser light output from said light source;
a light detecting unit to receive laser light output from said etalon filter, and to detect light intensity of the received laser light; and

cont'd 93 D3 > a control unit to generate oscillation of any one of said plurality of lasers at a desired wavelength, and to control the oscillation wavelength of the laser so that an output value of said light detecting unit becomes equal to a target value corresponding to said desired wavelength among a plurality of target values respectively set for each of said plurality of wavelengths.

16. (NEW) An apparatus, comprising:
a light source having a plurality of lasers capable of oscillating at a plurality of wavelengths;
etalon filters, each having a periodic transmittance-wavelength characteristic to receive laser light output from said light source;
light detecting units to correspond to said etalon filters, respectively, to receive laser light output from said etalon filters, and to detect light intensity of the received laser light; and
a control unit to generate oscillation of any one of said plurality of lasers at a desired wavelength, and to control the oscillation wavelength of the respective laser of said plurality of lasers so that an output value of the respective light detecting unit becomes equal to a target value corresponding to said desired wavelength among a plurality of target values respectively set for each of said plurality of wavelengths.

17. (NEW) An apparatus, comprising:
a light source having a plurality of lasers capable of oscillating at a plurality of wavelengths;
a light detecting unit to receive laser light output from an etalon filter, and to detect light intensity of the received laser light; and
a control unit to generate oscillation of one of said lasers at a desired wavelength, and to control the oscillation wavelength of the laser so that an output value of said light detecting unit becomes equal to a target value corresponding to said desired wavelength.

18. (NEW) A method comprising:
oscillating a plurality of wavelengths output from a plurality of lasers of a light source;
receiving laser light output from said light source with an etalon filter having a periodic transmittance-wavelength characteristic;
receiving laser light output from said etalon filter and detecting light intensity of the received laser light; and